

Purpose: Evaluate the metabolic response within bone to 0.5% carbon dioxide levels during strict HDT bed rest



Source: JSC Imagery Online

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2022 NASA Human Research Program Investigators' Workshop

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Methods

- AGBRESA: 2 females and 6 males in 60-day strict HDT bed rest
- VaPER: 5 females and 6 males in 30-day strict HDT bed rest at 0.5% CO₂





Source: JSC Imagery Online

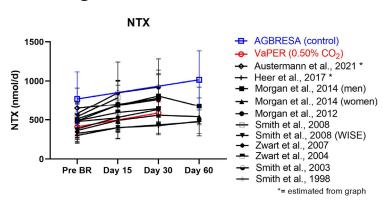
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Collagen Crosslink Markers



All bone resorption markers increased, with no significant difference between the control and CO₂ groups.

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